



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025-1855

July 29, 2002  
Revision

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 191003-2029  
ATTN: James W. Hagedorn

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Ward Kelsey, Esq.

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 02-0095  
#1, 2, 7 Battery Igniter Flares  
USS Clairton Works

Gentlemen:

The attached form revises our report of the outage. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

R. R. Terza  
General Manager  
Clairton Works Raw Materials

NOTICE OF BREAKDOWN OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 02-0095 Revision
2. Date & Time of Breakdown: Date: 07/19/02 Time: 1440 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: #1, 2, 7 Battery Igniter Flares
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: Coke oven gas suction pressure dropped and coke oven gas was flared on #1, 2, & 7 Batteries when the #130 and #155 Axi compressors tripped off line during an electrical storm.

| Date     | Start<br>Battery | End<br>Time | Duration<br>Time | Flared |      | Yes | No |
|----------|------------------|-------------|------------------|--------|------|-----|----|
|          |                  |             |                  | Min.   | Sec. |     |    |
| 07/19/02 | 7                | 14:40       | 14:40            | 00     | 10   | Yes |    |
| 07/19/02 | 7                | 14:40       | 14:40            | 00     | 01   | Yes |    |
| 07/19/02 | 1                | 14:40       | 14:40            | 00     | 10   | Yes |    |
| 07/19/02 | 2                | 14:40       | 14:40            | 00     | 01   | Yes |    |

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Released products of combustion of Coke Oven Gas.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). Eye, Nose and Throat Irritant.
- C. Amount of each type emitted (or likely to be emitted).

| Chemical        | Quantity Released (lbs) |
|-----------------|-------------------------|
| CO              | <0.008                  |
| NO <sub>x</sub> | <0.0014                 |
| SO <sub>2</sub> | <0.04                   |
| VOC             | <0.0008                 |

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The #130 and #155 axis were placed back in service.
10. Facility back in operation - Date: 07/19/02 Time: 1440 hours

Signature Coleen M. Davis Date 7/30/02  
Coleen M. Davis  
Environmental Control Engineer Phone: 233-1015